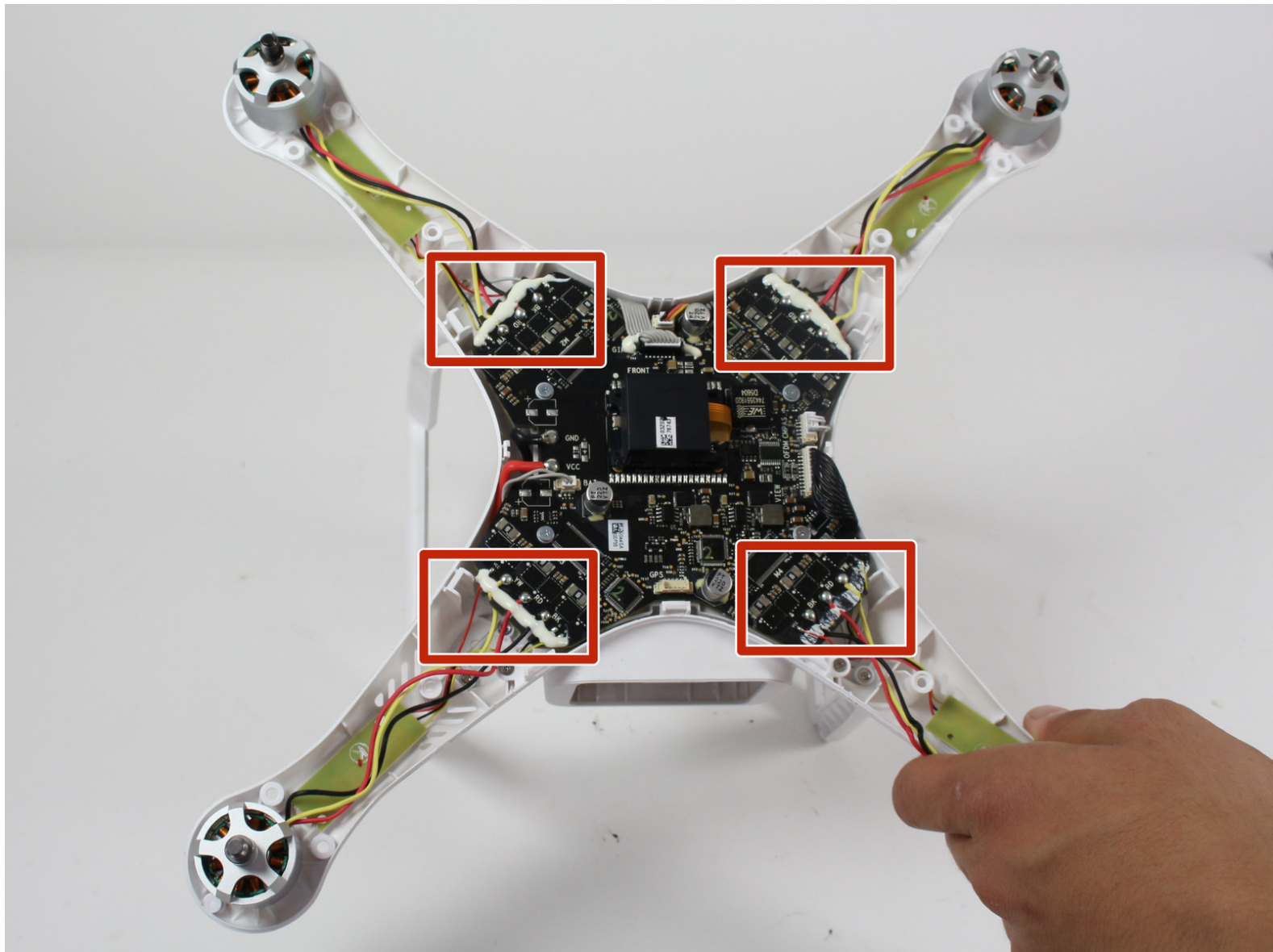




DJI Phantom 3 Advanced LED Replacement

This guide will demonstrate how to remove an LED from the DJI Phantom 3 Advanced.

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INTRODUCTION

In this guide you will remove the glue on the wires, desolder the wires connecting the LED to the control board and remove the LED from the drone.



TOOLS:

- [T8 Torx Screwdriver](#) (1)
 - [T6 Torx Screwdriver](#) (1)
 - [Heavy-Duty Spudger](#) (1)
 - [Soldering Workstation](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Battery



- With the battery facing you, locate the two tabs on the top and bottom of the battery as shown.

⚠ Remember to disarm and power down your quadcopter before beginning any disassembly.

Step 2



- Press the two tabs with your finger and thumb, and gently slide the battery towards you, out of the quadcopter frame.
- With your other hand, be sure to hold the quadcopter steady to ensure that it stays still.

Step 3 — Cover



- Turn the Phantom 3 Advanced upside down.

Step 4



- Remove the four 7mm long 2mm screws with a T-6 screwdriver.
- ⓘ There is one screw per arm, located at the tip of the arm.

Step 5



- Remove the eight 5mm long 2.5mm screws using the T-8 screwdriver.

i There are two 5mm screws on each arm.

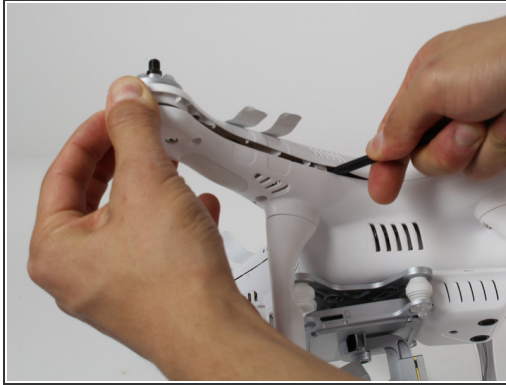
Step 6





- Remove the four 10mm long deep 3mm screws using the T-8 screwdriver.

i There is one screw on each arm located near the landing gear.

Step 7



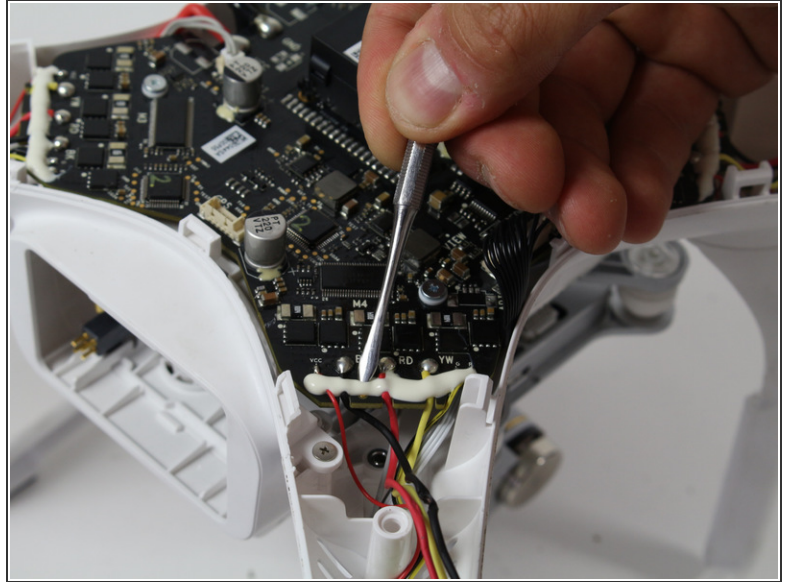
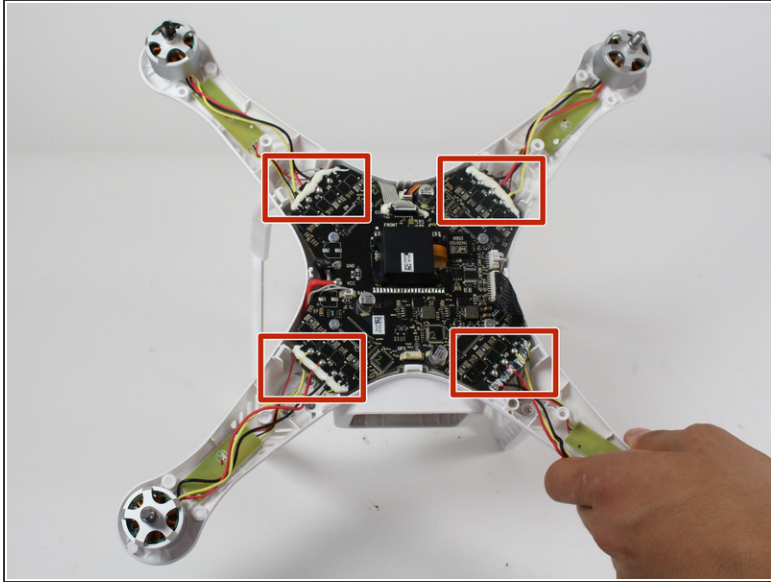
- Carefully flip the phantom back over with the motors facing up.
 - Peel back the silver stickers from the seam in the cover.
 - Using a plastic spudger, slowly separate the two halves of the plastic shell.
-  This step requires some force, and the plastic will click loudly as the shell separates.
-  Do not fully remove the cover. There is a wire that needs to be detached from the control board before the cover is completely free.


Step 8



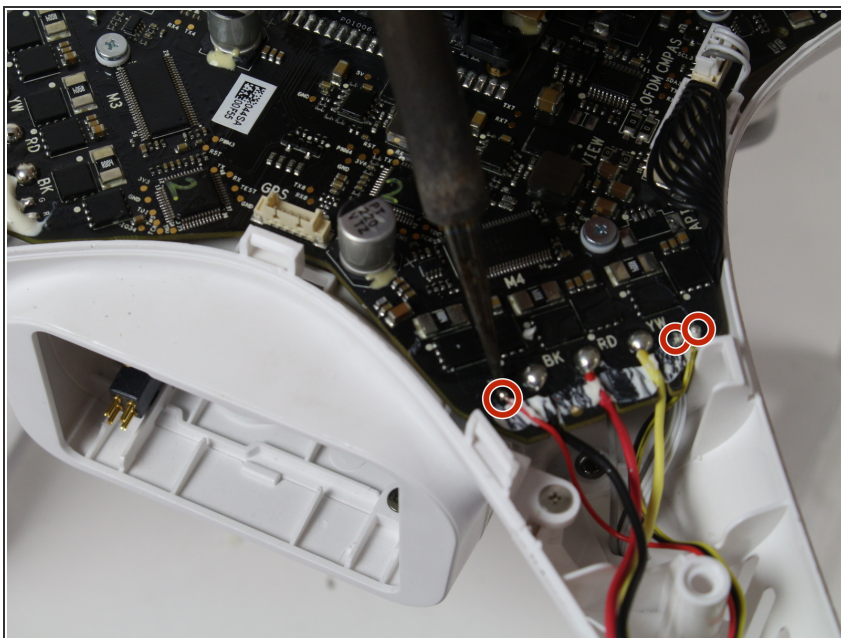
- Slowly remove the upper half of the plastic case about halfway. There is a ribbon cable that's connects the cover and the control board.
- Follow the ribbon cable to the control board and locate the connector that connects the cable to the control board.
- Press the tab on the side of the connector and pull up on the cable.
- Continue to remove the shell the rest of the way.

Step 9 — LED



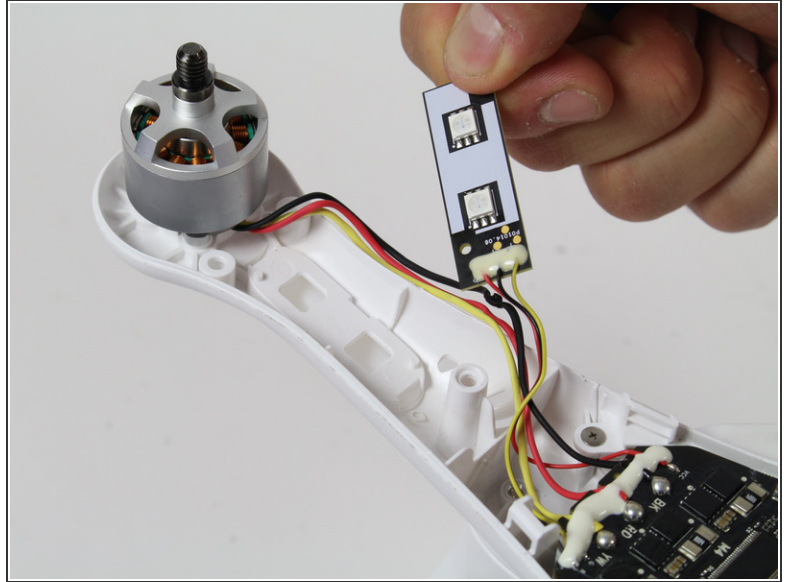
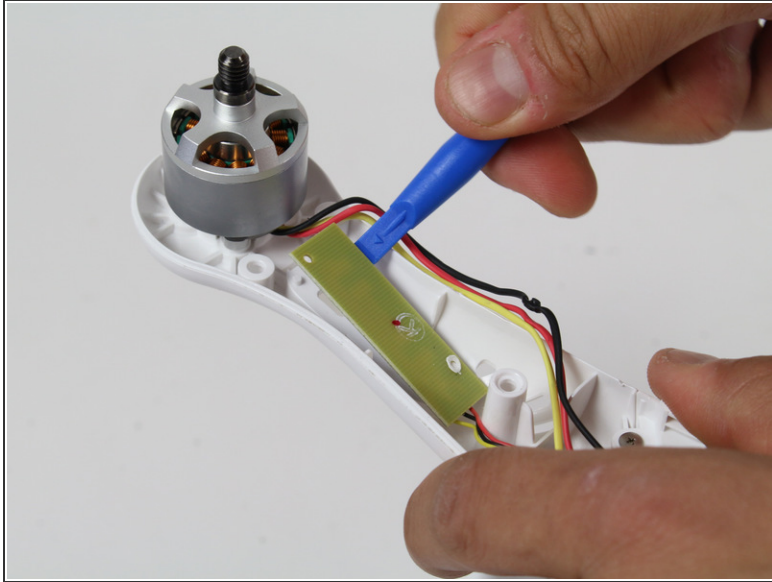
- Follow the red, yellow and black wires from the LED to where they connect on the control board.
 - Scrape off the glue with a plastic opening tool. Use a metal opening tool if needed.
-  The LED wires are smaller than the motor wires.

Step 10



- Desolder the red, yellow and black wires that connect the LED to the control board. Check out the link below for more information on desoldering. [Desoldering Information](#)

Step 11



- Use a plastic opening tool and wedge it under the LED.
- Press down on the plastic opening tool and remove the LED.

To reassemble your device, follow these instructions in reverse order.

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